

Biomethane Workshop questions for Panel B

The following questions are related to biogas produced in state.

1. Biogas can be utilized as an energy resource or disposed of by flaring. Biogas can be used to produce energy in heating, electricity generation, and transportation applications.
 - Are there environmental benefits to using biogas for energy production vs. flaring?
 - Are there additional benefits beyond air quality?
 - Is electricity generation the highest and best use of biogas?
2. How does use of pipeline quality biomethane produced from in-state sources benefit California ratepayers?
3. Consider the following for biogas sources not derived from landfill gas.
 - Please provide a description of utility gas quality standards as they relate to biomethane received into the natural gas transportation pipeline.
 - Can biomethane - not derived from landfill gas - be injected into pipelines serving California customers without causing harm to public health or degrading pipeline safety?
4. Consider the following for biogas sources derived from landfill gas.
 - Can landfill gas consistently meet the CPUC's Standards for Gas Service in the State of California General Order 58-A, which requires the concentration of vinyl chloride be limited to less than 1,170 parts per billion by volume?
 - Can landfill gas be injected into pipelines serving California customers without causing harm to public health or degrading pipeline safety?
5. What are the biggest challenges to developing in state biogas resources? What are the biggest challenges to injecting biomethane, regardless of source, into the natural gas pipeline in California?